

1 QUINN EMANUEL URQUHART & SULLIVAN, LLP  
Charles K. Verhoeven (Bar No. 170151)  
2 charlesverhoeven@quinnemanuel.com  
David A. Perlson (Bar No. 209502)  
3 davidperlson@quinnemanuel.com  
50 California Street, 22<sup>nd</sup> Floor  
4 San Francisco, California 94111  
Telephone: (415) 875-6600  
5 Facsimile: (415) 875-6700

6 Kevin P.B. Johnson (Bar No. 177129)  
kevinjohnson@quinnemanuel.com  
7 Victoria F. Maroulis (Bar No. 202603)  
victoriamaroulis@quinnemanuel.com  
8 555 Twin Dolphin Drive, 5<sup>th</sup> Floor  
Redwood Shores, California 94065  
9 Telephone: (650) 801-5000  
Facsimile: (650) 801-5100

10 Attorneys for Samsung Electronics Co., Ltd.,  
11 Samsung Electronics America, Inc., and  
Samsung Research America, Inc.

12 UNITED STATES DISTRICT COURT  
13  
14 NORTHERN DISTRICT OF CALIFORNIA  
15  
16 SAN FRANCISCO DIVISION

17 HUAWEI TECHNOLOGIES CO., LTD., et al.,  
18 Plaintiffs,  
19 v.  
20 SAMSUNG ELECTRONICS CO., LTD., et al.,  
Defendants.

CASE NO. 16-cv-02787-WHO

**SAMSUNG'S MOTION TO  
PARTIALLY EXCLUDE THE  
REPORT AND TESTIMONY OF  
JORGE PADILLA, MICHAEL J.  
LASINSKI, AND CHARLES L.  
JACKSON AND STRIKE THE  
REBUTTAL OPINIONS OF  
JACQUES DELISLE AND ZHI DING**

21 SAMSUNG ELECTRONICS CO., LTD. &  
22 SAMSUNG ELECTRONICS AMERICA, INC.

23 Counterclaim-Plaintiffs,

24 v.

25 HUAWEI TECHNOLOGIES CO., LTD.,  
HUAWEI DEVICE USA, INC., HUAWEI  
26 TECHNOLOGIES USA, INC., & HISILICON  
TECHNOLOGIES CO., LTD.

27 Counterclaim-Defendants.

**Hearing Date: August 8, 2018  
Time: 2:00 p.m.  
Place: Courtroom 2, 17th Floor  
Judge: Hon. William H. Orrick**

**PUBLIC REDACTED VERSION**

1 TO PLAINTIFFS AND COUNTERCLAIM-DEFENDANTS HUAWEI TECHNOLOGIES CO.,  
 2 LTD., HUAWEI DEVICE USA, INC., HUAWEI TECHNOLOGIES USA, INC., AND  
 3 HISILICON TECHNOLOGIES CO., LTD., AND THEIR COUNSEL OF RECORD

4 PLEASE TAKE NOTICE that on August 8, 2018 at 2:00 p.m., or as soon thereafter as the  
 5 matter may be heard, in the courtroom of the Honorable William H. Orrick, located at 450 Golden  
 6 Gate Avenue, San Francisco, California 94102, Defendants and Counterclaim-Plaintiffs Samsung  
 7 Electronics Co., Ltd., Samsung Electronics America, Inc., and Samsung Research America, Inc.  
 8 (collectively “Samsung”) respectfully request under Rule 702 of the Federal Rules of Evidence that  
 9 this Court partially exclude the reports and testimony of Jorge Padilla, Michael J. Lasinski, and  
 10 Charles L. Jackson proffered by Huawei Technologies Co., Ltd., Huawei Device USA, Inc., Huawei  
 11 Technologies USA, Inc., and HiSilicon Technologies Co., Ltd. (collectively “Huawei”). Samsung  
 12 also respectfully requests under Rule 26(a)(2)(D)(ii) of the Federal Rules of Civil Procedure that  
 13 this Court strike certain rebuttal opinions offered by Jacques deLisle and Zhi Ding.

14 This motion is based on this notice of motion and supporting memorandum of points and  
 15 authorities, the supporting declaration of Sam Stake, the accompanying exhibits, reply briefing in  
 16 further support of this motion and supporting declarations and accompanying exhibits, as well as  
 17 other written or oral argument that Samsung may present to the Court.

18  
 19 DATED: July 3, 2018

Respectfully submitted,

20 QUINN EMANUEL URQUHART &  
 21 SULLIVAN, LLP

22 By /s/ Victoria F. Maroulis

23 Charles K. Verhoeven  
 24 Kevin P.B. Johnson  
 25 Victoria F. Maroulis  
 Thomas D. Pease  
 David A. Perlson

26 *Attorneys for Samsung Electronics Co., Ltd.,*  
 27 *Samsung Electronics America, Inc., and*  
 28 *Samsung Research America, Inc.*

**TABLE OF CONTENTS**

|   | <b><u>Page</u></b> |
|---|--------------------|
| INTRODUCTION.....   | 1                  |
| APPLICABLE LAW.....   | 4                  |
| ARGUMENT .....  | 5                  |
| I. HUAWEI’S EXPERTS USE UNRELIABLE METHODOLOGIES AND OFFER<br>OPINIONS BEYOND THEIR QUALIFICATIONS .....                      | 5                  |
| A. [REDACTED] .....   | 5                  |
| B. Mr. Lasinski and Dr. Padilla Provide Improper Opinions and Analyses<br>Outside of Their Areas of Purported Expertise ..... | 8                  |
| C. Dr. Padilla’s Attempt To Improperly Bolster Mr. Lasinski’s Reports Should<br>Be Excluded .....                             | 10                 |
| D. Dr. Jackson’s Essentiality Database is Unreliable .....  | 11                 |
| E. Mr. Lasinski’s “Indicators of Portfolio Strength” Are Unreliable .....   | 14                 |
| 1. [REDACTED] .....   | 15                 |
| 2. Mr. Lasinski’s Reliance on “Global Deemed SEPs” Is Unreliable.....   | 19                 |
| II. HUAWEI’S EXPERTS OFFER IMPROPER EXPERT REBUTTAL<br>TESTIMONY .....  | 20                 |
| A. Dr. deLisle’s Opinions Do Not Contradict or Rebut Any of Samsung’s<br>Experts’ Opinions.....                               | 20                 |
| B. Dr. Ding’s Improper “Rebuttal” Opinions Should Be Stricken .....   | 21                 |
| III. CONCLUSION .....   | 22                 |

**TABLE OF AUTHORITIES**

|    | <b><u>Cases</u></b>   | <b><u>Page</u></b> |
|----|---|--------------------|
| 1  |   |                    |
| 2  |   |                    |
| 3  | <i>Apple Inc. v. Samsung Elecs. Co.</i> ,                         |                    |
| 4  | 2012 WL 1672493 (N.D. Cal. May 14, 2012) .....                    | 8                  |
| 5  | <i>Biotechnology Value Fund, L.P. v. Celera Corp.</i> ,           |                    |
| 6  | 2015 WL 138168 (N.D. Cal. 2015).....                              | 6, 9               |
| 7  | <i>BladeRoom Grp. Ltd. v. Facebook, Inc.</i> ,                    |                    |
| 8  | 2018 WL 1611835 (N.D. Cal. Apr. 3, 2018) .....                    | 4, 19              |
| 9  | <i>Clear-View Techs, Inc. v. Rasnick</i> ,                        |                    |
| 10 | 2015 WL 3509384 (N.D. Cal. June 3, 2015) .....                    | 10                 |
| 11 | <i>Creach v. Spokane Cnty.</i> ,                                  |                    |
| 12 | 2013 WL 12177099 (E.D. Wa. May 2, 2013).....                      | 11                 |
| 13 | <i>Daubert v. Merrell Dow Pharm., Inc.</i> ,                      |                    |
| 14 | 509 U.S. 579 (1993) .....   | 4, 14              |
| 15 | <i>Eveler v. Ford Motor Co.</i> ,                                 |                    |
| 16 | 2017 WL 3382460 (E.D. La. Aug. 7, 2017).....                      | 13, 14             |
| 17 | <i>Feduniak v. Old Republic Nat'l Title Co.</i> ,                 |                    |
| 18 | No. 13-CV-02060-BLF, 2015 WL 1969369 (N.D. Cal. May 1, 2015)..... | 19                 |
| 19 | <i>Gonzalez v. Valenzuela</i> ,                                   |                    |
| 20 | 2001 WL 36387147 (C.D. Cal. Nov. 26, 2001) .....                  | 10                 |
| 21 | <i>Henricksen v. ConocoPhillips Co.</i> ,                         |                    |
| 22 | 605 F. Supp. 2d 1142 (E.D. Wash. 2009) .....                      | 5                  |
| 23 | <i>Huawei Techs. Co. v. T-Mobile US, Inc.</i> ,                   |                    |
| 24 | 2017 WL 3954108 (E.D. Tex. Aug. 29, 2017).....                    | 8                  |
| 25 | <i>Humphreys v. Regents of Univ. of California</i> ,              |                    |
| 26 | 2006 WL 1867713 (N.D. Cal. July 6, 2006) .....                    | 3                  |
| 27 | <i>In re ConAgra Foods, Inc.</i> ,                                |                    |
| 28 | 302 F.R.D. 537 (C.D. Cal. 2014) .....                             | 5                  |
|    | <i>In re Imperial Credit Indus., Inc. Sec. Litig</i> ,            |                    |
|    | 252 F. Supp. 2d 1005 (C.D. Cal. 2003).....                        | 8                  |
|    | <i>Interwoven, Inc. v. Vertical Computer Sys.</i> ,               |                    |
|    | 2013 WL 3786633 (N.D. Cal. July 18, 2013) .....                   | 7                  |
|    | <i>Johns Bayer Corp.</i> ,  |                    |
|    | 2013 WL 1498965 (S.D. Cal. Apr. 10, 2013) .....                   | 10                 |
|    | <i>K&amp;N Engineering, Inc. v. Spectre Performance</i> ,         |                    |
|    | 2011 WL 13131157 (C.D. Cal. May 12, 2011).....                    | 10, 13             |

|    |  |        |
|----|--|--------|
| 1  | <i>Kass v. Kass</i> ,  |        |
| 2  | 91 N.Y.2d 554 (1998) .....   | 7      |
| 3  | <i>Krueger v. Wyeth, Inc.</i> ,  |        |
| 4  | No. 03CV2496-JAH MDD, 2012 WL 3637276 (S.D. Cal. Aug. 22, 2012) .....        | 21     |
| 5  | <i>Matthew Enter., Inc. v. Chrysler Grp. LLC</i> ,                           |        |
| 6  | 2016 WL 4272430 (N.D. Cal. Aug. 15, 2016) .....                              | 5, 20  |
| 7  | <i>Media Sport &amp; Arts s.r.l. v. Kinney Shoe Corp.</i> ,                  |        |
| 8  | 1999 WL 946354 (S.D.N.Y. Oct. 19, 1999) .....                                | 10     |
| 9  | <i>Mesfun v. Hagos</i> ,   |        |
| 10 | 2005 WL 5956612 (C.D. Cal. Feb. 16, 2005) .....                              | 7      |
| 11 | <i>Microsoft Corp. v. Motorola, Inc.</i> ,                                   |        |
| 12 | 2013 WL 4008822 (W.D. Wash. Aug. 5, 2013) .....                              | 8, 10  |
| 13 | <i>Moussouris v. Microsoft Corp.</i> ,                                       |        |
| 14 | 2018 WL 2124019 (W.D. Wash. Apr. 25, 2018) .....                             | 15     |
| 15 | <i>Mullins v. Premier Nutrition Corp.</i> ,                                  |        |
| 16 | 178 F. Supp. 3d 867 (N.D. Cal. 2016) .....                                   | 9      |
| 17 | <i>Nationwide Transport Finance v. Cass Info. Sys., Inc.</i> ,               |        |
| 18 | 523 F.3d 1051 (9th Cir. 2008) .....  | 10     |
| 19 | <i>Nelson v. Matrix Initiatives</i> ,  |        |
| 20 | 2012 WL 3627399 (N.D. Cal. Aug. 21, 2012) .....                              | 7, 20  |
| 21 | <i>Novadaq Techs., Inc. v. Karl Storz GmbH &amp; Co. K.G.</i> ,              |        |
| 22 | 2015 WL 9266497 (N.D. Cal. Dec. 18, 2015) .....                              | 5      |
| 23 | <i>Pac. Gas &amp; Elec. Co. v. Zuckerman</i> ,                               |        |
| 24 | 189 Cal.App.3d 1113 (1987) .....   | 7, 20  |
| 25 | <i>Poosh v. Phillip Morris USA, Inc.</i> ,                                   |        |
| 26 | 287 F.R.D. 543 (N.D. Cal. 2012) .....  | 4      |
| 27 | <i>Schron v. Troutman Sanders LLP</i> ,                                      |        |
| 28 | 20 N.Y.3d 430 (2013) .....   | 7      |
|    | <i>TCL Commc'ns Tech. Holdings Ltd. v. Telefonaktenbologet LM Ericsson</i> , |        |
|    | 2016 WL 6662727 (C.D. Cal. July 7, 2016) .....                               | 13, 16 |
|    | <i>United States v. Mejia</i> ,  |        |
|    | 545 F.3d 179 (2d Cir. 2008) .....  | 20     |
|    | <i>United States v. Tran Trong Cuong</i> ,                                   |        |
|    | 18 F.3d 1132 (4th Cir. 1994) .....   | 14     |
|    | <i>Van Der Valk v. Shell Oil Co.</i> ,                                       |        |
|    | 2004 WL 5486643 (C.D. Cal. Nov. 15, 2004) .....                              | 15     |

|   |   |       |
|---|---|-------|
| 1 | <i>W.W.W. Assocs., Inc. v. Giancontieri</i> ,   |       |
| 2 | 77 N.Y.2d 157 (1990) .....                      | 7     |
| 3 | <i>Wadler v. Bio-rad Laboratories</i> ,         |       |
| 4 | 2016 WL 6070530 (N.D. Cal. Oct. 17, 2016) ..... | 5, 22 |
| 5 | <i>Wettlaufer v. Mt. Hood R. Co.</i> ,          |       |
| 6 | 2013 WL 4008822 (9th Cir. 1996) .....           | 16    |

**Statutes**

|   |                                     |              |
|---|-------------------------------------|--------------|
| 7 | Fed. R. Civ. Proc. 702(a) .....     | 9            |
| 8 | Fed. R. Evid. 26(a)(2)(D)(ii) ..... | 4, 5, 20, 21 |
| 9 | Fed. R. Evid. 702 .....             | 1, 5         |

10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28

## INTRODUCTION

Fed. R. Evid. 702 requires the Court to serve as a gatekeeper to ensure that the jury hears only expert testimony with a reliable foundation that falls within the expert's qualifications. Several opinions offered by Huawei's experts fail these basic tests and will mislead and inflame the jury, ultimately tainting the fair presentation of the parties' claims and defenses at trial.

This action involves competing assertions of declared essential standards patents ("SEPs") and breach of FRAND contract claims. Owners of SEPs must license their patents on fair, reasonable and non-discriminatory ("FRAND") terms. [REDACTED]

[REDACTED] Ex. 1, ft. 342.

[REDACTED] *Id.*, fig. 63.

Huawei's attempt to justify its failure to offer Samsung these terms feature prominently in this motion, as do several other Huawei expert testimony issues.

1 [REDACTED]  
2 [REDACTED] This governing New York  
3 law imposes a strict “parol evidence” rule that limits the Court to the four corners of the document  
4 itself and only permits extrinsic evidence to be considered if the Court first determines as a matter  
5 of law that a contract term is ambiguous. [REDACTED]

6 [REDACTED]  
7 [REDACTED]  
8 [REDACTED]  
9 *Second*, Mr. Lasinski and Huawei’s “Breach of FRAND” expert, economist Dr. Jorge  
10 Padilla, venture outside their expertise, analyzing issues of French law. Recognizing that French  
11 law governs FRAND issues and requires special expertise, both parties submitted reports from  
12 French law experts. Although neither expert has French law expertise, both opine on the nature of  
13 the FRAND commitment and whether each party complied with their commitment. [REDACTED]

14 [REDACTED]  
15 [REDACTED]  
16 [REDACTED]  
17 [REDACTED]  
18 Huawei’s experts’ improper French law analysis extends to their attempts to summarize the  
19 negotiation history of the parties. [REDACTED]

20 [REDACTED]  
21 [REDACTED]  
22 [REDACTED]  
23 [REDACTED]  
24 Allowing experts to summarize the facts or opine on ultimate legal issues usurps the role of the jury  
25 as the ultimate arbiter of fact and should not be permitted. Indeed, as courts have recognized, expert  
26 testimony is not admissible when it opines on or draws inferences from lay matters which a jury is  
27 capable of understanding, especially since it “runs the risk that the jury will pay unwarranted  
28 deference” to his or her expertise. *Humphreys v. Regents of Univ. of California*, 2006 WL 1867713,



1 at \*2 (N.D. Cal. July 6, 2006). The narrative summaries of Mr. Lasinski and Dr. Padilla and their  
2 opinions on ultimate legal issues should be excluded.

3 *Third*, Dr. Padilla's report includes sections that merely bolster Mr. Lasinski's analysis. Ex.  
4 3, ¶ 2.4 [REDACTED]

5 [REDACTED] Such opinions should be precluded.

6 *Fourth*, Huawei's expert Dr. Charles Jackson should be precluded from serving as a conduit  
7 for the hearsay opinions of others on key issues such as the alleged essentiality of industry patents.

8 [REDACTED]  
9 [REDACTED]  
10 [REDACTED]  
11 [REDACTED]  
12 [REDACTED]  
13 [REDACTED]  
14 [REDACTED]  
15 [REDACTED]  
16 [REDACTED]  
17 [REDACTED]  
18 [REDACTED]  
19 [REDACTED]  
20 [REDACTED]  
21 [REDACTED]  
22 [REDACTED].

23 *Finally*, [REDACTED]  
24 [REDACTED]  
25 [REDACTED]  
26 [REDACTED]  
27 [REDACTED]  
28 [REDACTED]

1 [REDACTED]  
2 [REDACTED]  
3 [REDACTED]  
4 [REDACTED]  
5 [REDACTED]  
6 [REDACTED]  
7 [REDACTED]  
8 [REDACTED]  
9 Huawei also offers improper rebuttal opinions from Dr. Jacques deLisle and Dr. Zhi Ding  
10 that violate Federal Rule of Civil Procedure 26(a)(2)(D)(ii) by failing to “contradict or rebut  
11 evidence on the same subject matter identified by” Samsung. Dr. deLisle admits he has not actually  
12 “seen any Samsung expert reports” whereas Dr. Ding opines on a “technical comparison” of patents  
13 that Samsung’s experts did not address. These opinions should be stricken.

#### 14 APPLICABLE LAW

15 Federal Rule of Evidence 702 allows expert testimony only if (1) the expert’s scientific,  
16 technical, or other specialized knowledge will help the trier of fact to understand the evidence or to  
17 determine a fact in issue; (2) the testimony is based on sufficient facts or data; (3) the testimony is  
18 the product of reliable principles and methods; and (4) the expert has reliably applied the principles  
19 and methods to the facts of the case. Courts applying this rule must ensure “that an expert’s  
20 testimony both rests on a reliable foundation and is relevant to the task at hand.” *Daubert v. Merrell*  
21 *Dow Pharm., Inc.*, 509 U.S. 579, 597 (1993). The Court should act “as a gatekeeper by examining  
22 the full picture of the experts’ methodology and preventing shoddy expert testimony and junk  
23 science from reaching the jury.” *BladeRoom Grp. Ltd. v. Facebook, Inc.*, 2018 WL 1611835, at \*1  
24 (N.D. Cal. Apr. 3, 2018) (internal citations removed).

25 The Court should ensure that the methodology proffered reliably reaches its conclusions  
26 based on the facts of the case. The Court must ensure there is not “too great an analytical gap”  
27 between the data and the opinion proffered. *Poosh v. Phillip Morris USA, Inc.*, 287 F.R.D. 543,  
28 547 (N.D. Cal. 2012). The opinion should not be based on the “ipse dixit” of the expert. *Id.* If “any

1 step” of an expert’s methodology is unreliable, the expert’s testimony is inadmissible. *Henricksen*  
 2 *v. ConocoPhillips Co.*, 605 F. Supp. 2d 1142, 1154 (E.D. Wash. 2009). An expert should not opine  
 3 on topics that are within the “ordinary competence or experience” of the finder of fact. *In re*  
 4 *ConAgra Foods, Inc.*, 302 F.R.D. 537, 555 (C.D. Cal. 2014). Moreover, experts should not “usurp”  
 5 the role of the court by utilizing “judicially defined terms” that offer “improper legal opinion.” *Id.*  
 6 at 558.

7 The Federal Rules of Civil Procedure allow for rebuttal expert testimony only in instances  
 8 where the “evidence is intended *solely to contradict or rebut* evidence on the same subject matter  
 9 identified by another party[.]” Fed. R. Civ. P. 26(a)(2)(D)(ii) (emphasis added); *Wadler v. Bio-rad*  
 10 *Laboratories*, 2016 WL 6070530, at \*3 (N.D. Cal. Oct. 17, 2016) (rebuttal testimony “cannot be  
 11 used to advance new arguments or new evidence”). Consequently, such testimony is “proper as  
 12 long as it addresses the same subject matter that the initial experts address.” *Novadaq Techs., Inc.*  
 13 *v. Karl Storz GmbH & Co. K.G.*, 2015 WL 9266497, at \*1 (N.D. Cal. Dec. 18, 2015). Where rebuttal  
 14 expert testimony fails to satisfy these requirements, courts will only allow such evidence to be used  
 15 at trial if the proffering party can show that its failure was either substantially justified or harmless.  
 16 *Matthew Enter., Inc. v. Chrysler Grp. LLC*, 2016 WL 4272430, at \*2 (N.D. Cal. Aug. 15, 2016).

## 17 ARGUMENT

### 18 **I. HUAWEI’S EXPERTS USE UNRELIABLE METHODOLOGIES AND OFFER** 19 **OPINIONS BEYOND THEIR QUALIFICATIONS**

#### 20 **A.**

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28

[REDACTED]

[REDACTED]

<sup>3</sup> The New York law governing this agreement mandates a strict “parol evidence” rule, by which a court must decide whether the terms of the contract are ambiguous as a matter of law based on the four corners of the document itself before considering extrinsic evidence. *See Kass v.*

---

<sup>1</sup> [REDACTED]

<sup>2</sup> *See Biotechnology Value Fund, L.P. v. Celera Corp.*, 2015 WL 138168, at \*3 (N.D. Cal. 2015) (even *deposition* testimony of a party, or anyone aligned with the party, is considered “self-serving and inadmissible hearsay when offered by the party himself,” thus a party may not “send up a friendly forensic advocate to summarize [a fact witness’] deposition testimony for the jury.”).

[REDACTED]

1 *Kass*, 91 N.Y.2d 554, 566–67 (1998).<sup>4</sup> Where, as here, the agreement includes a merger clause,  
 2 extrinsic evidence is barred. *Schron v. Troutman Sanders LLP*, 20 N.Y.3d 430, 436 (2013).<sup>5</sup>

3 [REDACTED]  
 4 [REDACTED].  
 5 Although experts may base opinions on inadmissible evidence under Rule 703 when it is  
 6 information “of a type reasonably relied upon by experts in the particular field” in forming opinions  
 7 or inferences upon the subject, experts are permitted to rely on hearsay statements only “if proper  
 8 foundation is laid that others in the field would likewise rely on them.” *Mesfun v. Hagos*, 2005 WL  
 9 5956612, at \*19 (C.D. Cal. Feb. 16, 2005) (finding that an expert’s testimony was not on a “reliable  
 10 foundation” because it relied on inadmissible hearsay).<sup>6</sup> Huawei cannot in good faith argue that  
 11 economists ordinarily rely on [REDACTED]

12 [REDACTED]  
 13 [REDACTED]  
 14 [REDACTED]  
 15 [REDACTED]  
 16 [REDACTED]  
 17 When an expert bases his conclusions on selective use of the facts or matters not reasonably  
 18 relied upon by other experts, the conclusion has no evidentiary value. *See Nelson v. Matrix*  
 19 *Initiatives*, 2012 WL 3627399, at \*10 (N.D. Cal. Aug. 21, 2012) (citing *Pac. Gas & Elec. Co. v.*  
 20 *Zuckerman*, 189 Cal.App.3d 1113, 1128 (1987)). As the gatekeeper of expert testimony under  
 21 *Daubert*, this Court should exclude Mr. Lasinski’s economic analysis of “Comparable Agreements”  
 22 because it is not based on facts or data of a type that experts in the field use to form inferences or

23  
 24 <sup>4</sup> *W.W.W. Assocs., Inc. v. Giancontieri*, 77 N.Y.2d 157, 162-63 (1990); *see also Schron v.*  
 25 *Troutman Sanders LLP*, 20 N.Y.3d 430, 436 (2013) (“Parol evidence—evidence outside the four  
 26 corners of the document—is admissible only if a court finds an ambiguity in the contract.”).

27 <sup>6</sup> *See also Interwoven, Inc. v. Vertical Computer Sys.*, 2013 WL 3786633, at \*7 (N.D. Cal. July  
 28 18, 2013) (noting that expert’s testimony “fail[ed] to meet the standards required for admissible  
 evidence” because it lacked “foundation” and was “conclusory” and “unreliable”).

1 opinions. *See In re Imperial Credit Indus., Inc. Sec. Litig*, 252 F. Supp. 2d 1005, 1013 (C.D. Cal.  
 2 2003) (excluding expert report from evidence insofar as it does not use “facts or data of a  
 3 type reasonably relied upon by experts in the field”).

4 **B. Mr. Lasinski and Dr. Padilla Provide Improper Opinions and Analyses**  
 5 **Outside of Their Areas of Purported Expertise**

6 Courts, and Huawei itself, have recognized that French law governs the ETSI IPR Policy.  
 7 *See Apple Inc. v. Samsung Elecs. Co.*, 2012 WL 1672493, at \*10 (N.D. Cal. May 14, 2012); *see also*  
 8 *Huawei Techs. Co. v. T-Mobile US, Inc.*, 2017 WL 3954108, at \*2 (E.D. Tex. Aug. 29, 2017) (noting  
 9 that both parties, including Huawei, agreed that “French law governs the ETSI IPR Policy, and that  
 10 contract interpretation under French law must be decided by the Court.”). Indeed, both parties have  
 11 submitted reports from French law experts regarding interpretation of ETSI principles, and have  
 12 taken the deposition of each respective witness. *See, e.g.*, Exs. 21, 22.

13 Although Mr. Lasinski and Dr. Padilla are not French law experts, they have submitted  
 14 reports in which they provide their own subjective analysis and interpretation of “FRAND,”  
 15 including [REDACTED]  
 16 [REDACTED]. Exs. 1 ¶¶ 68-76; 2 ¶¶ 1.13, 3.20-3.38, 6.8; *Microsoft*  
 17 *Corp. v. Motorola, Inc.*, 2013 WL 4008822, at \*14 (W.D. Wash. Aug. 5, 2013) (“there is little  
 18 question that statements by an expert witness as to the circumstances under which a patent holder  
 19 fulfills its [F]RAND obligation is beyond the scope of permissible expert testimony.”). [REDACTED]

1 [REDACTED] At the very least, such opinions must  
2 be excluded because Mr. Lasinski and Dr. Padilla are not qualified to opine on issues of French law.  
3 Fed. R. Civ. Proc. 702(a); *Mullins v. Premier Nutrition Corp.*, 178 F. Supp. 3d 867, 900–01 (N.D.  
4 Cal. 2016) (excluding expert’s opinions regarding subjects that were not “grounded in his [] personal  
5 knowledge, skill, experience, training, or education”) (quotations and citation omitted); *see also*  
6 Exs. 1 ¶¶ 1-6, Appendix A; 2 ¶¶ 1.1, 1.3, Annex A.

7 [REDACTED]  
8 [REDACTED]  
9 [REDACTED]  
10 [REDACTED]  
11 [REDACTED]  
12 [REDACTED]  
13 [REDACTED]  
14 [REDACTED]  
15 [REDACTED]  
16 [REDACTED]  
17 [REDACTED]  
18 [REDACTED]  
19 [REDACTED]  
20 [REDACTED]  
21 [REDACTED]  
22 [REDACTED] Such testimony is neither reliable nor within his  
23 expertise, and if admitted will unfairly confuse the jury. It should be excluded.

24 The Court should require Huawei to present this testimony, if at all, through fact witnesses,  
25 not experts.<sup>7</sup> Allowing experts to summarize the facts would usurp the role of the jury as the

26  
27 <sup>7</sup> *See Johns v. Bayer Corp.*, 2013 WL 1498965 (S.D. Cal. Apr. 10, 2013) (citing *Media Sport*  
28 *& Arts s.r.l. v. Kinney Shoe Corp.*, 1999 WL 946354, at \*3 (S.D.N.Y. Oct. 19, 1999) (where an  
expert’s testimony “is not based on personal knowledge, but instead on his review of documents

ultimate arbiter of fact issues. *See, e.g., Gonzalez v. Valenzuela*, 2001 WL 36387147, at \*4 (C.D. Cal. Nov. 26, 2001) (excluding expert witnesses' testimony regarding factual issues of what the parties did and said in part because the "jury must determine whether Defendant acted reasonably based on the testimony of the [actual] parties involved"). The same problems arise where experts to opine on ultimate legal issues. *See Nationwide Transport Finance v. Cass Info. Sys., Inc.*, 523 F.3d 1051, 1058 (9th Cir. 2008) ("an expert witness cannot give an opinion as to her *legal conclusion*, i.e., an opinion on an ultimate issue of law.") (emphasis in original) (citation omitted); *Microsoft*, 2013 WL 4008822, at \*20 ("the legal conclusion as to the parties' RAND obligations and duties is solely within the province of the court."). Mr. Lasinski's and Dr. Padilla's

.

### C. Dr. Padilla's Attempt To Improperly Bolster Mr. Lasinski's Reports Should Be Excluded

Dr. Padilla's rebuttal report also contains improper statements simply commenting Mr. Lasinski's analysis that should be excluded. An expert, "however well credentialed, is not permitted to be the mouthpiece of a scientist of a different specialty." *See Clear-View Techs, Inc. v. Rasnick*, 2015 WL 3509384, at \*5 (N.D. Cal. June 3, 2015) (internal quotations and citations omitted). Experts are not permitted to "vouch for the truth" of another expert's conclusion. *K&N Engineering, Inc. v. Spectre Performance*, 2011 WL 13131157, at \*10 (C.D. Cal. May 12, 2011). Portions of Dr. Padilla's rebuttal report are plainly intended to bolster Mr. Lasinski's report, and must be excluded.<sup>9</sup>

and depositions produced by the parties," the expert's testimony "may not take the place of that of the individuals who actually negotiated the deal").

<sup>8</sup> Mr. Lasinski and Dr. Padilla both have submitted rebuttal reports and supplemental reports

To the extent the Court grants Samsung's Motion, Samsung requests that the Court also exclude the corresponding opinions in Mr. Lasinski's and Dr. Padilla's rebuttal reports and supplemental reports.

<sup>9</sup>



1 These opinions do not assist the trier of fact and are improper. *See Creach v. Spokane Cnty.*, 2013  
2 WL 12177099, at \*3 (E.D. Wa. May 2, 2013) (despite permitting two experts to testify about the  
3 same evidence, the Court held that “Mr. Vaughan may not provide expert testimony that is  
4 needlessly cumulative or that simply bolsters Dr. Nordby’s testimony”).

5 **D. Dr. Jackson’s Essentiality Database is Unreliable**

6 Although Huawei’s expert Dr. Charles Jackson was tasked with providing “oversight and  
7 assistance” in the construction of a database of allegedly every potentially essential 3G or 4G patent  
8 in the entire world, he lacks basic knowledge of how the individual essentiality determinations were  
9 made. [REDACTED]

10 [REDACTED]  
11 [REDACTED]  
12 [REDACTED]  
13 [REDACTED]  
14 Creating a patent landscape study and individually assessing the essentiality of the patents  
15 within it is a gargantuan task. [REDACTED]

16 [REDACTED]  
17 [REDACTED]  
18 [REDACTED]  
19 [REDACTED]  
20 [REDACTED]

21 [REDACTED]  
22 [REDACTED]  
23 [REDACTED]  
24 [REDACTED]  
25 [REDACTED]  
26 [REDACTED]  
27 [REDACTED]  
28 [REDACTED]

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28

[REDACTED]

Dr. Jackson could not have possibly overseen the development of this database in a reliable manner. [REDACTED]

The reality is that Concur IP did all the work and much of it for another matter in which neither Samsung nor Dr. Jackson were involved. [REDACTED]

The specific origins of the Concur IP database are murky to this day. [REDACTED]

[REDACTED]

1 [REDACTED]  
2 [REDACTED]  
3 [REDACTED]  
4 [REDACTED]  
5 [REDACTED]  
6 [REDACTED]  
7 [REDACTED] This is itself problematic, as the court in *TCL* recognized. *TCL Commc'ns Tech.*  
8 *Holdings Ltd. v. Telefonaktenbologet LM Ericsson*, 2016 WL 6662727, at \*2 (C.D. Cal. July 7,  
9 2016) (“However, while Drs. Kakaes and Ding had involvement with the creation of the Census and  
10 the Industry Essentiality Analysis, their personal knowledge of whether the Census and Industry  
11 Essentiality Analysis was properly performed by the teams in India was somewhat limited”)  
12 (internal citations omitted). But even worse, the primary person that was overseeing the essentiality  
13 decisions—Dr. Kakaes—also did not submit a report or appear for deposition. Instead, it appears  
14 that Huawei has improperly proffered Dr. Jackson to present the results of Dr. Kakaes. A party is  
15 not allowed to proffer one expert to serve as a “mouthpiece” of another, shielding the later from  
16 cross-examination or critical analysis. *Eveler v. Ford Motor Co.*, 2017 WL 3382460, at \*9 (E.D.  
17 La. Aug. 7, 2017); *K&N Engineering*, 2011 WL 13131157, at \*10.

1 [REDACTED]  
2 [REDACTED]  
3 [REDACTED]  
4 [REDACTED]  
5 [REDACTED]  
6 [REDACTED] The court should consider “the known or potential rate of error” and that cannot  
7 possibly be done here. *Daubert*, 509 U.S. 579 at 594.

8 Dr. Jackson’s opinions regarding Essentiality are therefore unreliable—he is at best acting  
9 as an improper mouthpiece for Dr. Apostolo Kakaes who has not submitted a report in this litigation.  
10 Court. *See Eveler*, 2017 WL 3382460, at \*9; *United States v. Tran Trong Cuong*, 18 F.3d 1132,  
11 1143–44 (4th Cir. 1994) (“Reports specifically prepared for purposes of litigation are not, by  
12 definition, “of a type reasonably relied upon by experts in the particular field”). Dr. Jackson’s report,  
13 and the use of the Concur IP database by Huawei, must be excluded—along with any opinions or  
14 testimony proffered by Mr. Lasinski and Dr. Ding who rely on Concur IP’s essentiality  
15 determinations.

16 **E. Mr. Lasinski’s “Indicators of Portfolio Strength” Are Unreliable**

17 [REDACTED]  
18 [REDACTED]  
19 [REDACTED]  
20 [REDACTED]  
21 [REDACTED] Both of these  
22 methodologies rely on Mr. Lasinski’s flawed “indicators” of portfolio value—indicators that  
23 artificially bias his calculations in favor of Huawei and away from Samsung based on assumptions  
24 without economic, statistical, or academic support.

25 [REDACTED]  
26 [REDACTED]

27  
28 [REDACTED]

1 [REDACTED]  
2 [REDACTED]  
3 [REDACTED]  
4 [REDACTED] As detailed below,  
5 **both** of these “indicators” of portfolio value are unreliable, calling into question both of Mr.  
6 Lasinski’s methodologies for calculating appropriate FRAND rates for the parties’ portfolios in this  
7 matter. For these reasons, Mr. Lasinski’s royalty calculations are “not the product of reliable  
8 principles and methods” and therefore the Court should exclude his royalty analyses in their entirety.  
9 *Moussouris v. Microsoft Corp.*, 2018 WL 2124019, at \*12 (W.D. Wash. Apr. 25, 2018) (granting  
10 motion to exclude portions of expert’s testimony that utilize unreliable methods).

11 [REDACTED]  
12 [REDACTED]  
13 [REDACTED]  
14 [REDACTED]  
15 [REDACTED]. Although it may have other merits, standard-setting  
16 participation does **not** bear any rational relationship to the **strength** of a party’s patent portfolio. As  
17 explained by Dr. Leonard:

18 [REDACTED]  
19 [REDACTED]  
20 [REDACTED]  
21 A party that dominates participation in standard-setting bodies, but has no SEPs, would  
22 nonetheless be deemed by Mr. Lasinski’s measure to have a strong patent portfolio. Likewise, a  
23 party that had a robust SEP portfolio but declined to participate in standard-setting bodies would get  
24 zero credit under Mr. Lasinski’s proposed measure. A metric so divorced from reality is unreliable  
25 and cannot form the basis for an expert’s conclusions. *See Van Der Valk v. Shell Oil Co.*, 2004 WL  
26 5486643, at \*1 (C.D. Cal. Nov. 15, 2004) (“under FRE 702, a court must determine that the expert  
27 testimony fits the facts of the case and will assist the trier of fact”); *Wettlaufer v. Mt. Hood R. Co.*,  
28

2013 WL 4008822, \*3 (9th Cir. 1996) (district courts should ensure there is a “valid scientific connection” the expert’s methodology and its conclusions).

Indeed, the court in the *TCL* matter—  
—considered and rejected the use of “Contributions” as a measure of portfolio value. As explained by the *TCL* court:

*The two major flaws with contribution counting are the absence of any evidence that it corresponds to actual intellectual property rights, and its inability to account for transferred or expired patents.* For example, if Ericsson sold off a substantial portion of its SEP portfolio, Ericsson would still claim the exact same royalty as before it sold its SEPs based on an unchanged standards contribution count. Thus, contribution counting does not reflect the roughly two hundred U.S. patents that Ericsson has divested over the last decade. Contribution counting also permits Ericsson to demand royalties well beyond the expiration of the corresponding patents, if those contributions were actually tied to patents at all. These are incorrect results. *While contribution counting may have its uses, it cannot be used to determine a FRAND rate for a patent portfolio, or unpack a cross-license.*

*TCL Commc’n Tech. Holdings, Ltd.*, 2017 WL 6611635, at \*41 (emphasis added). As explained by Dr. Rudi Bekkers, an economist <sup>2</sup> Ericsson historically advocated for contribution counting as a way to improve its perceived standing among owners of 3G and 4G patent technology. Ex. 9, ¶¶ 61-65. Ericsson, like Huawei, participates in standard-setting bodies like 3GPP more than the average industry participant.

As a result, if one values patent portfolios on the basis of participation in standards bodies—rather than on the technical merit of its patents—Ericsson’s portfolio would be viewed favorably.

Mr. Lasinski’s basis for using this artificial methodology is flimsy.

Mr. Lasinski is not a negotiator of cross-licenses, and he does not offer himself as an expert on cross-licensing discussions.

1 [REDACTED]  
2 [REDACTED]  
3 [REDACTED]  
4 [REDACTED]  
5 [REDACTED]  
6 [REDACTED]  
7 [REDACTED]  
8 [REDACTED]  
9 [REDACTED]  
10 [REDACTED]  
11 [REDACTED]  
12 [REDACTED]  
13 [REDACTED] Well  
14 certain industry participants may use Approved Contributions as a shorthand metric when data on  
15 the underlying patents is unavailable, that does not imply industry participants would choose to do  
16 so if there *were* data on the underlying patents.  
17 [REDACTED]  
18 [REDACTED]  
19 [REDACTED]  
20 [REDACTED]  
21 [REDACTED]  
22 [REDACTED]  
23 [REDACTED]  
24 [REDACTED]  
25 [REDACTED].

28 <sup>13</sup> *Id.*

1 Mr. Lasinski's reliance on Dr. Jackson is problematic for several reasons. As a preliminary  
 2 matter, the use of "Approved Contributions" as a metric for the number of SEPs owned by each  
 3 party is wholly redundant when Huawei's experts have allegedly *directly counted* the number of  
 4 SEPs owned by each party. [REDACTED] This is tantamount to using a human's weight as a  
 5 proxy for height, when data on the actual height is available—there is no reason to use a "roughly  
 6 proportional" proxy when one can directly observe the desired metric.<sup>14</sup>

7 [REDACTED]  
 8 [REDACTED]  
 9 [REDACTED]  
 10 [REDACTED]  
 11 [REDACTED]  
 12 [REDACTED]  
 13 [REDACTED]  
 14 [REDACTED]  
 15 [REDACTED]  
 16 [REDACTED]  
 17 [REDACTED]  
 18 [REDACTED]  
 19 [REDACTED]

20 [REDACTED]  
 21 [REDACTED]  
 22 [REDACTED]  
 23 [REDACTED]  
 24 [REDACTED]

25 <sup>15</sup> Analysis conducted by Dr. Kakaes, another expert which [REDACTED]  
 26 [REDACTED], buttresses this conclusion. In the *TCL*  
 27 litigation, Dr. Kakaes undertook an empirical study to determine whether there was any correlation  
 28 between Ericsson's participation in 3GPP "Working Groups" and its actual SEP portfolio. Ex. 13,  
 ¶ 407. Dr. Kakaes' analysis showed that "There is Little or No Correlation between Approved  
 Contributions and Issued Patents" and that his empirical measure of correlation was "0.02915, which  
 for all practical purposes is indistinguishable from zero." *Id.* ¶¶ 420-27.



1 [REDACTED]  
2 [REDACTED]  
3 [REDACTED]  
4 [REDACTED]  
5 [REDACTED]  
6 This Court should not endorse Huawei's self-serving use of "Approved Contributions" as a  
7 measure of portfolio value. This artificial metric—rejected by the *TCL* court and Huawei's own  
8 experts—merely serves to bias valuation results in favor of Huawei rather than Samsung. Huawei  
9 should be prevented from presenting such "junk science" to the jury. *BladeRoom Grp. Ltd.*, 2018  
10 WL 1611835, at \*1.

11 2. Mr. Lasinski's Reliance on "Global Deemed SEPs" Is Unreliable

12 [REDACTED]  
13 [REDACTED]  
14 [REDACTED]  
15 [REDACTED]  
16 [REDACTED] Mr. Lasinski appears to have  
17 created this metric for purposes of this litigation with the goal of inflating the value of Huawei's  
18 portfolios. Experts creating litigation-motivated methodologies are held to a higher standard and  
19 must establish an especially rigorous basis for their methodology. *Feduniak v. Old Republic Nat'l*  
20 *Title Co.*, No. 13-CV-02060-BLF, 2015 WL 1969369, at \*1 (N.D. Cal. May 1, 2015) ("While  
21 opinions developed expressly for litigation are not necessarily unreliable, the district court "may not  
22 ignore the fact that a scientist's normal workplace is the lab or the field, not the courtroom or the  
23 lawyer's office"). Mr. Lasinski has failed that test here.

**II. HUAWEI'S EXPERTS OFFER IMPROPER EXPERT REBUTTAL TESTIMONY**

**A. Dr. deLisle's Opinions Do Not Contradict or Rebut Any of Samsung's Experts' Opinions**

Jacque deLisle's "rebuttal" expert opinions generally relating to the integrity of the Chinese legal system must be stricken because they do not "solely... contradict or rebut" Samsung's experts, and Huawei's failure to comply with Rule 26 requirements is not substantially justified or harmless. *See* Fed. R. Civ. P. 26(a)(2)(D)(ii); *Matthew Enter.*, 2016 WL 4272430, at \*2.

<sup>16</sup>

<sup>17</sup> *United States v. Mejia*, 545 F.3d 179, 197 (2d Cir. 2008) (experts should not be "repeating hearsay evidence without applying any expertise whatsoever"). When an expert bases his conclusions on selective use of the facts or matters not reasonably relied upon by other experts, the conclusion has no evidentiary value. *See Nelson v. Matrix Initiatives*, 2012 WL 3627399, at \*10 (N.D. Cal. Aug. 21, 2012) (citing *Pac. Gas & Elec. Co. v. Zuckerman*, 189 Cal.App.3d 1113, 1128 (1987)).

Dr. deLisle's opinions do not respond to *any* of Samsung's experts' opinions or arguments. Indeed, Dr. deLisle testified that he had not even actually "seen any Samsung expert reports" in the course of developing his opinions. Ex. 15, Ex. B; Ex. 16, 34:5-21, 35:15-20, 72:14-19. Moreover, Dr. deLisle's opinions are solely "evaluations of Chinese court proceedings and Chinese law," which is not an issue that any Samsung expert witness has opined on. Ex. 16, 70:13-15, 72:2-5; 73:6-11. Dr. deLisle's opinions thereby do not have any intention of "solely" contradicting or rebutting Samsung's experts, but rather, solely introduces new arguments. Dr. deLisle's opinions should therefore be stricken. *See Krueger v. Wyeth, Inc.*, No. 03CV2496-JAH MDD, 2012 WL 3637276, at \*4 (S.D. Cal. Aug. 22, 2012).

Huawei has no "substantial[] justification" for failing to comply with Rule 26 by submitting Dr. deLisle's report as a "rebuttal" report given that [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED] If anything, Huawei should have submitted Dr. deLisle's opinions in an opening report. Moreover, admission of Dr. deLisle's opinions would not be harmless as Samsung did not have an opportunity to submit an expert report regarding the issues in Dr. deLisle's report because Huawei failed to disclose Dr. deLisle as an expert witness in a timely manner. Given that Huawei cannot establish that its failure to comply with Rule 26 requirements is substantially justified or harmless, Dr. deLisle's opinions must be stricken.

#### **B. Dr. Ding's Improper "Rebuttal" Opinions Should Be Stricken**

Dr. Ding's rebuttal report contains certain opinions that fail to address any substance in Dr. Davies' opening report, and are therefore improper rebuttal expert testimony. Ex. 17, ¶¶ 115, 127-143, 150; Fed. R. Civ. P. 26(a)(2)(D)(ii). For instance, Dr. Ding devotes a section of his report to "opin[ing] on the technical comparability of" five Unwired Planet ("UP") patents and the asserted Huawei patents in this case, but provides no basis for doing so. Ex. 17, ¶ 114. Though he purports to respond to Dr. Davies' report, Dr. Davies' merely compared the UP patents to *Samsung* patents. Dr. Ding's analysis of the Huawei patents asserted in this case, in which he concludes that "the

1 Unwired Planet patents are substantially different from the Huawei Patents from a technical  
2 perspective,” (*Id.*, ¶ 115), does not respond to any testimony by Samsung’s expert and should be  
3 excluded.

4 Dr. Ding’s technical comparison between the UP patents and the asserted Huawei patents  
5 does not “contradict or rebut” any evidence or subject matter that Dr. Davies addressed. In fact, by  
6 opining on the similarity of the two sets of patents, Dr. Ding introduces new argument that is  
7 irrelevant to the jury’s understanding of the issues. Whether Huawei’s patents are technically  
8 similar to the UP patents is unrelated to any issue in this case, and nowhere in Dr. Davies’ report  
9 does he discuss the subject matter of Huawei patents. *See generally* Ex. 18. Dr. Davies’ analysis  
10 of the UP and Samsung patents serves to further support the comparability of the UP-Samsung  
11 license to the hypothetical license between Huawei and Samsung: the rate Samsung paid for the UP  
12 patents informs the rate Samsung would have accepted for its patents from Huawei, as long as its  
13 patents were technically comparable to UP’s. But Dr. Ding’s technical comparison is irrelevant  
14 because no Unwired Planet-Huawei license is at issue, so a technical comparison of UP and Huawei  
15 patents is unilluminating and immaterial expert opinion. Rather, Dr. Ding’s conclusion that  
16 Huawei’s patents are “technically different” from UP’s patents is an “attempt[] to put forward new  
17 theories outside the scope of the report it claims to rebut” and therefore improper rebuttal testimony.  
18 *Wadler*, 2016 WL 6070530, at \*3 (quotations and citation omitted).

### 19 **III. CONCLUSION**

20 For the foregoing reasons, the reports and testimony of Jorge Padilla, Michael J. Lasinski,  
21 and Charles L. Jackson should be partially excluded, and certain of the rebuttal opinions of Jacques  
22 deLisle and Zhi Ding should be stricken, as set forth above.

23  
24  
25  
26  
27  
28

1 DATED: July 3, 2018

Respectfully submitted,

2 QUINN EMANUEL URQUHART &  
3 SULLIVAN, LLP

4 By /s/ Victoria F. Maroulis

Charles K. Verhoeven

5 Kevin P.B. Johnson

6 Victoria F. Maroulis

Thomas D. Pease

7 David A. Perlson

8 *Attorneys for Samsung Electronics Co., Ltd.,*  
9 *Samsung Electronics America, Inc., and Samsung*  
10 *Research America, Inc.*